Fieldwork enquiry question: To what extent does environmental		Risk assessment					Methods carried out				
quality and land use change over time and space in central/inner Norwich?		Risk of accident by walking along and crossing busy roads in the		at the d	Students told to only cross the roat the crossings and walk in pairs encase of accident.		1. Land use survey		Aim: To investigate the change of land use in Norwich from the CBD to the inner city. Categories follow the RICEPOTS to determine land use.		
Hypothesis and aims:		10003	town.		encase of accident.		survey		ionow the McLro13 to determine land use.		
Environmental quality will increase as you travel along the transect from site 1 in the inner city to site 10 in the CBD. Land use will change from residential to commercial as you travel along the transect from site 1 in the inner city to site 10 in the CBD. Over time, the land use will have changed with fewer open spaces.		Injury	Risk of injuring throug walking around the to such as tripping.	wn town ir carried	Students told to walk around the town in pairs or more. Each group carried a first aid kit and so did the teacher.			ental ey lysis)	Aim: To investigate environmental quality of Norwich. Factors such as noise, density, cleanliness and quality of buildings were scored.		
		General	Risk of verbal abuse fr members of the public		Students told to walk aroun pairs or more. Meeting poir to students to meet at regu and a head count to be don		oint given gular times 3. Question		discovering the quality of the area from their		
Reason location is suitable for human (urban) enquiry:		public	Also risk of abduction.	. to stud							
Norwich is a city with approximately 213,00 residents (2011 census). In November 2006 it was voted the greenest city in the UK. Historically Norwich's industry has been manufacturing but in the 1980 and 1990s it changed to a service-based economy.								perspective.			
			Presentation method: Environmental Quality Radar -Can be added to a map			Radar graph				Only one transect was taken out of the inner city - thus the conclusions are based on a small area.	
-	Method 1: Landuse survey		-Show change over s -Shows data for the c -Can extrapolate raw	space different catego			lity	Sample size			
Sampling method: Stratified sampl Sample size: 10 Description: At each location take and code them using RICEPOTS ont	a look at all surrounding buildings	Weaknesses	- Hard to spot anoma Located bar graphs of visually show the EC	alies on a map of No Q where the str	eets are.	Street 2 2 3	Housing quality	Bias	iias	All of the methods were open to some kind of bias. The EQS is based on opinion and human error could have incorrectly categorised the buildings for the land use survey.	
Strengths - Full representation of all surrounding buildings	Weaknesses - Some building may not be being used therefore an	presentation techniques	3			Noise			The questionnaires during the day so	The questionnaires were only taken during the day so include few working people or young people.	
 One person recording the results therefore consistent. 	additional code is needed.Some buildings may have	Urban fieldwork- Norwich Land					Conclusion				
 Covers major building types Taken at all 10 sites therefore detailed. 	two uses therefore only taking the code of the bottom tier isn't representative Survey					Landuse does r Environmental	evident from the results that the hypothesis can be partly accepted and rejected. duse does mostly change from residential to commercial as you travel in to the city. Ironmental quality decreases as you travel in to the city with the exception of site 4 ere a run-down shopping area has a lower environmental quality.				
Method 3: Qu	Method 2: Environmental Quality Survey				where a run-uc	P €:					
Sampling method: Stratified random sampling (only locals were questioned however they were chosen randomly) Sample size: 30+ people Description: Create a questionnaire which focuses on finding out the environmental quality of Norwich from the locals perspective. When in Norwich ask the questionnaire to a sample size of at least 30 local		Sampling method: systematic sampling (fixed sites along a transect) Sample size: 10 Description: Create a table which has a scale from 1-5. include the factors to be assessed in the table. Visit each site and score the factors from 1-5 with 1 being negative, 5 being positive.				-41	Results				
						1. Land u				d use changed from 100% commercial in the CBD to residential in the inner city.	
							2. Environmental			Overall environmental quality increased from the CBD out to the inner city. Age of buildings got newer, noise level	
Strengths	Weaknesses	Strengths -Sites were	chosen every 250m	Weaknesses -The score give	score given is based on an		irvey	lowered, the cleanliness improved, the density of building decreased and the quality of building stayed about the same as you travelled out of the CBD.			
-The method is a good way to collect data about. - The data collected can easily be collated and graphed to show the common opinions of the locals. - They are a cost efficient way of collecting quantitative data. - They are a practical way to gather people's opinions.	tt. they are given options and their choice is not there. hed to show the s of the locals. efficient way of tative data. oractical way to the case is a regiven options and their choice is not there. -Carrying out face to face questionnaires can be time consuming so a large sample size cannot be obtained in the time.		re system which goes nabled the negative sites to be clearly factors was assessed	persons opinion and an ave score given would have b more reliable.		so mall 3. Quest	ionnaires	People thought the CBD area was dirty in places and down. This seemed to only be representative of two a however it was the areas the public commented on. 57 people thought the area around site 8 had a environmental quality because it had some open specified being in the CBD. No people thought the environmental quality at site 4 high with over 80% scoring it as poor.			

Fieldwork enquiry question: How and why does the shape of the		Risk assessment					Methods carried out			
beach at Cromer change along a stretch of coastline? Hypothesis and aims:		Tides	Risk of powerful waves, creating risk of shore and to stay out o drowning. Students told not to go shore and to stay out o Consultation of tide time.		out of the sea	e to the		h profile	management teermique of gloynes on beach	
Does the beach profile change along the stretch of Cromer coastline? The beach profile will increase in gradient between the groynes heading west to east along the stretch of Cromer coastline. Does the sediment size and shape change along the stretch of Cromer coastline? The sediment size decreases along the stretch of Cromer coastline. Reason location is suitable for physical enquiry:		Cliff collapse	Danger of cliff collapse and falling rocks.	ar the foot of c tudents warne ay from the ba	ed of this	2. Field	sketch	Aim: To investigate the changes along the coastline.		
		Weather	Wet weather is dangerous due to slippery groynes etc.	Students advised and sun cream if the hot. If the weather	recastis et,	3. Sedii analysis	s (shape	Aim: To investigate the effect of the groynes on the sorting of beach material (groynes should cause an increase in attrition).		
			Hot weather also poses the risk of dehydration.			ppropriate		Evaluation		
The location was chosen as Cromer beach is on a stretch of coastline that is affected by the process of longshore drift and groynes are in place. The area is also easily accessible by coach from our school.		Strengths	Presentation method: Line graph to show beach Can easily see change a long the beach. Shows the inclines and declines in profile			e 111	1	Sample size	A larger pebble sample size should have been collected. More than one site between the groynes should have also been used. Therefore conclusions are based on limited data.	
Method 1: I	Beach profile		Not possible to locate	s.	20					
Sampling method: systematic sampling (fixed intervals) Sample size: 3 sites (twice between two groynes and away from the groynes). Description: Person A stands by the sea holding a ranging pole and person B holds a second ranging pole up the beach. The location is determined by any chance in angle. The angle between matching markers on each ranging pole is measured using a clinometer. Repeat this process up the beach.		Weaknesses	5.00 1 1 1 1 1 10					Frequen	A lack of readings taken away from the groynes means the results have been determined based on only one site -	
		Alternative presentation techniques	a map of the beach to show where the most				50	taken	weakness of data collection could have had a greater impact on results.	
		techniques					Conclusion			
Strengths -The method of data collection is simple to carry outSystematic sampling is simple and has good coverage of the	Weaknesses -There may be some user error when taking readings with a clinometerRanging poles need to be held straight and prevented from sinking into the sediment,	Paper 3 Physical fieldwork- Cromer It is evident from the results that longshore drift is being managed effectively by the groynes at Cromer. This is especially seen from the beach profile with the gradient being steeper between the groynes. It is also evident that longshore drift is taking place by the sediment size and roundness being smaller and smoother between the groynes suggesting attrition is taking place and the sediment is trapped within the groynes.								
		Method 2: Sediment analysis				Resu	lts	S Results		
study area. sinking into the sediment, otherwise an inaccurate measurement will be taken. Method 3: Field sketch		Sampling method: systematic sampling (fixed intervals) Sample size: 5 pebbles every 2m from the shore at 2 sites (away from and between the groynes) Description: 5 pebbles were selected randomly every 2m up the beach.				1. Beach profile				
Description: A sketch was drawn at each location. This sketch was		The length and width of each pebble was measured and compared Power's chart to subjectively assess roundness.			compared it	2 Field		- '		
annotated to include explanation of feature formation.		Strengths		Veaknesses		2. Field sketch		The field sketch suggested a change a longer and steeper beach between the groynes		
Strengths - Detail of features can be recorded while viewedSimple method of data collection with little equipment needed.	thereby making it difficult for	ensure that selected at ra-Simple meth with little equility is a quick collect the data.	nod of data collection uipment needed. and efficient way to ata needed. er's chart makes the	-Accessing the roundness using the chart is subjectivePower's chart is still subjective-to mitigate this more than one person could have assessed the roundness-however this is more time consuming The sample size was small-making the data less accurate.		3. Sedim analysis (shape ar size)	ent se wo nd is th	The sediment size was smaller between the groynes suggestin longshore drift is taking place and the groynes are trapping the sediment within them and attrition is taking place. The pebble were 'rounder' between the groynes suggesting longshore drift is taking place and the groynes are trapping the sediment with them and attrition is taking place. This is what I expected to see because the groynes will have been placed here to prevent longshore drift occurring.		